

# The Tech



Vol 88 Number 46 Tuesday, November 19, 1968

Cambridge, Massachusetts

Five Cents

Gardner speaks

## Urban crisis examined

By Bob Dennis

Professor John W. Gardner described the steps that must be taken to end the fragmentation of our cities when he spoke to a gathering in the Mezzanine Lounge of the Student Center last Thursday night. The former Secretary of Health, Education, and Welfare explained how the Urban Coalition, of which he is now President, is working to cope with the complex problems of the urban crisis.

According to Prof. Gardner, the Urban Coalition has three major domestic goals: (1) to help all citizens gain equal access to the possibilities and promises of life in America; (2) To repair the broken relation between the individual and society; (3) To generally enhance the quality of life in the nation.

## Forums to debate institute changes

An opportunity to discuss the way in which the Institute is run with those who are in decision-making positions will be afforded to all members of the MIT community in a series of forums beginning this week.

Student government leaders will conduct an open forum to help determine the direction student government should take after reorganization. It will be held on Thursday, November 21, at 7:30 pm in the Student Center, and will be open to all who are interested in participating.

A second forum will be held on Friday, November 22, from noon to 2 pm in the Student Center. The issue which will be discussed will be that of open and closed meetings, such as those of various administrative and faculty groups.

## Takis exhibition opening attracts many to Hayden

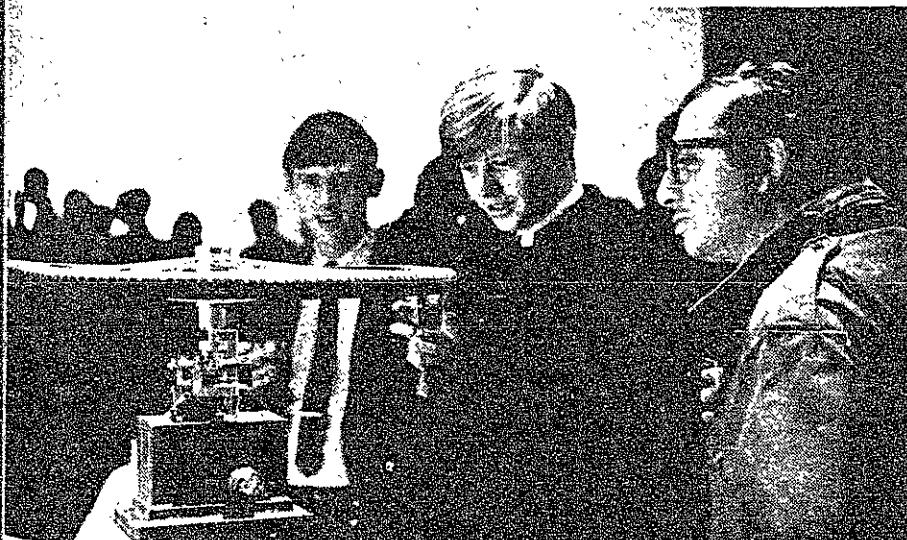


Photo by Dick Koolish, courtesy of Technique

Perpetual Motion Machine, a homage to Marcel Duchamp, is examined at the Friday night opening of the Takis exhibit in Hayden Gallery. The white attachment at the far side of the work is meant to rest on the sea which is in perpetual movement. Its movement is channeled through a spring mechanism to turn the wheel.

## Progress reported at Sala Resistance meeting

By Reid Ashe and Alex Makowski

A bid for students to attend tomorrow's faculty meeting and a report on extraordinary progress made by the Black Students Union were included among committee reports delivered at the MIT Resistance meeting Friday night in the Sala.

Mike Albert, an active member of the MIT Resistance, said that he hopes to help eliminate the "outdated" policy of having closed faculty meetings through bringing it to public view. His plans are for himself and any other concerned students or instructors to quietly attend tomorrow's faculty meeting. Said Albert: "since the closed-meeting rule is so outdated, there will probably be no resistance to our presence." Albert said that since tomorrow's meeting will probably be discussing issues relevant to students, tomorrow will be a particularly good time for students to question the closed-meeting rule.

### Scholarship for Black students

Fred Johnson, Co-Chairman of the MIT Black Student Union, reported that "the essence of the [BSU] demands," that of financial aid, had in effect been granted. He said that in his negotiations with Institute officials, he had achieved an agreement that Black students entering the Institute would be given financial aid entirely in the form of scholarship (instead of loans) during their first two years of study. This program, he said, is likely to begin next year.

Johnson said that it was particularly difficult to persuade ghetto youngsters to enter the Institute if they were to expect to have a \$4000 debt upon completion of their studies. When a Black student graduates, Johnson said, he might have to support his parents and send a younger brother through school; under these circumstances the large debt to the Institute would be insufferable.

Furthermore, Johnson said that a Black potential student might fear that if he flunked out or had to drop out after a year or so, he would have nothing to show for his year but a sizeable debt.

### "The Black Experience"

In other developments, Johnson said that Prof. Richard Wertz is planning a course for next term called "The Black Experience."

When contacted Sunday night, Wertz said that although the course is still in the planning stages, it will definitely be given next term as a credit-bearing Humanities elective. The course will include a study of contemporary problems in the Black community and of history in relation to contemporary problems. Wertz said that two leaders from the black community will serve as co-teachers of the course.

As the primary part of their effort to recruit more Black students for MIT, Johnson said that beginning 1 December, members of the BSU will travel throughout the country visiting potential Black students. He said that "the plane tickets have been bought," but he did not give the source of the funds for the extensive travels which he mentioned.

One of the committees which reported at the meeting was the ROTC committee. Leslie Silton reported that this group, which consists of two Professors, one MIT Student, and herself (she is not a student here), is preparing a "muck-raking pamphlet" on the subject of ROTC. The pamphlet is to be distributed to the faculty and to the entering freshman class next year. One of the faculty members on that committee is Prof. William Watson.

Other sources reported that there were at least three separate groups working on the problem of the presence of ROTC on campus. One of the groups, the "MIT Support Group," is headed by Prof. Sylvain Bromberger.

Yoram Gelman, Chairman of the Internal Education Committee, reported that a Resistance publication would be started. The purpose of the publication will be to distribute straight information without becoming involved in lengthy subjects. He said that the publication would go daily "during the next Sanctuary."

### No defense

After the meeting, Mike Albert spoke at greater length about his proposal for open Faculty meetings. He said that no one with whom he had talked, Faculty included, had offered a defense of the closed meetings, and that he therefore felt that the closed-meeting rule would be ignored or abolished. He furthermore said that many students and faculty members are not even aware that the Faculty meetings are closed.

Prof. Jerome B. Wiesner, Provost of the Institute, commented, "maybe they'll change their minds." It was not clear, however, whether Wiesner meant that Albert *et al.* might change their minds about their attempt to gain entry, or whether he meant that if admitted, the students might lose interest in faculty meetings.

Bill Saidel, one of the authors of the new student government constitution proposed by TANG (Toward A New Government), said that in line with the philosophy of that constitution, he and other members of TANG would present

(Please turn to page 8)

## At CHSSP lecture

## Wertz sees pass-fail extension

By Joseph Kashi

Recent innovations in the MIT educational process were discussed by Professor Richard Wertz of the Humanities department Saturday in a lecture to about 50 potential MIT applicants.

The students, from the Cambridge High School Studies Program, attend courses at MIT on Saturday mornings and lectures in the afternoon. Professor Wertz stated that Pass-Fail could be considered an important attempt to help the freshman adjust to a totally new environment by lessening the concern over grading and by finding a more realistic and valid method of certifying the achievement of the MIT student. Under discussion at this time are an experimental college within the Institute where new educational processes might be tried out. These could include consecutive Humanities courses, concentrated studies courses such as the 8.03 (S) experiment conducted last summer, and the possibility of extending Pass-Fail into the sophomore year. In addition, Professor Wertz predicted that it might someday be feasible to place all courses except the student's major on a Pass-Fail basis.

### "Underdeveloped areas"

Also, in an attempt to remedy the obvious discrepancy in the proportion of black students at MIT, the Administration conceivably may set up some sort of special admissions program for Negroes from disadvantaged areas. However, the feasibility or shape of the program is not clearly evident at this time.

### New curriculum

Professor Wertz noted that a community is developing at

MIT which is unhappy over the war in Vietnam, the dependence of MIT on Department of Defense contracts, and the apathy of many to contemporary problems. Apparently, the student community had its roots in the picketing of the Dow Chemical representative last year. As a result, non-credit seminars in Social Inquiry are being held under certain faculty members of the Linguistics and Humanities departments. However, there is now a growing movement to give credit for this course, eventually allowing an MIT student to major in Social Inquiry. The greatest need of the MIT curriculum in this area is for courses which provide an overview of the entire urban problem, rather than concentrating on narrowly specialized fields, a practice which produces experts who cannot relate directly to the realities of urban living. The behavioral sciences must not ask merely how, but why something happens. These courses would integrate the views provided by such fields as city planning, political science, humanities, and psychology.

### Inquiry needed

Professor Wertz cited four specific areas where such integrated courses would be useful: regional planning, technological influence in modern society, the role of education in society, and international affairs in such areas as law, health, and the role of the third world in contemporary society.

"... we must devise a curriculum which will allow the students' social passion to meet with the wisdom and skills of the University in a rigorous way." It is conceivable that a course in Social Inquiry might begin to fill this need.

# Announcements

\* There will be a meeting next Thursday at 4:30 in the Mezzanine Game Room of the Student Center. The topic for discussion will be ideas about government within the community, and proposals are welcome from everyone, especially those who have not been involved in the recent past. Anyone with proposals may either bring them to the meeting typed and reproduced, or bring them to W20-401 before Wednesday, and the Institute Committee will type them.

\* The open meeting of the Committee on Evaluation of Freshman Performance listed for Monday, under events of special interest in the Institute Calendar, has been postponed to Monday, December 9, same time and place. Please see the Calendar for details.

\* The MIT Sanctuary Committee plans to produce a pictorial essay on the events of the MIT Sanctuary. Any photographers who wish to have their work on the event included please call Bill Saidel, 868-1363.

\* The COMPASS Seminar today will discuss the 'Numerical Simulation of Galactic Evolution'. Speaking will be Professor Kevin Prendergast, Columbia University. The seminar will be held in Room 54-100 at 4 pm. Tea will be served in the Faculty Lounge, 54-923, at 3:30 pm.

\* Nearly 5000 Freshman Performance Evaluation forms were mailed late to the class of 1972.

Peter Blittner, Executive Officer of the Freshman Advisory Council, said that most students should get their forms by Saturday and urged any student who had not received them by Monday's mail delivery to pick up a set at the FAC Office, 7-133, as soon as possible. Similarly, any student registered for more than five subjects may obtain

extra forms in 7-133.

Freshmen are asked to fill out one form for every subject and hand-deliver each one to the appropriate instructor not later than the last class session this week. With the form the student must also give his instructor a special windowed, interdepartmental envelope, which the instructor will later use to mail the forms to the student's advisor. The system has been designed to minimize the extra effort required of all concerned and to take maximum advantage of the Institute's mail service.

Instructors will be asked to complete their portion of the forms and mail them not later than 4 pm on Monday, December 2. Overnight mail delivery has been assured, so all forms should be in the hands of the Freshman Adviser by December 3. They, in turn, will be available during the remainder of that week to review the evaluations with their advisees and return the originals of the forms to the students.

\* There will be two open meetings of the Committee on Curriculum Reform. The first will take place November 22, the second on November 26. Both will be held at 3:30 pm in the auditorium of the Center for Advanced Engineering Studies, 9-150. All interested parties are welcome.

\* Tomorrow at 8 pm in Kresge Auditorium the third Compton Seminar will take place, featuring Richard Goodwin, Channing Phillips, Donald Rumsfeld, Robert Healy, and John Saloma. Provost Jerome B. Wiesner will moderate the panel while it discusses "Politics, 1968-1972." To enter, one must just appear at Kresge at the appropriate time.

## 'Cities are in fragments,' Gardner notes in lecture

(Continued from page 1)

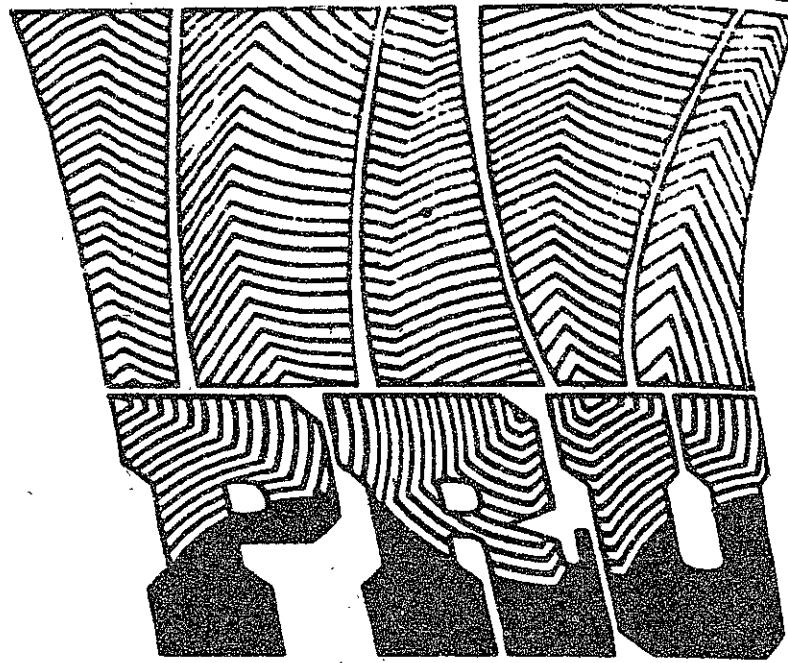
housing, and the establishment of youth councils. They have also sought a legislative voice in matters concerning employment and economic development. Some of the local coalitions have had their problems, including the one in Boston.

The Urban Coalition aims to end the senseless duplication of functions and agencies. Since the urban crisis has been marked by the proliferation of single-purpose, single composition groups, Prof. Gardner notes that the greatest strength of the Coalition is that it is a variegated group which deals with many problems. He charged that corporation presidents see the need for future plans in their firms but ignore this need in their role as citizens.

Along with creating an effective dialogue between all the elements in the city, Prof. Gardner said that the

Coalition's major task lies in revamping the structure of government. Local governments are underfinanced, understaffed, and operate under archaic procedures. State government also is hampered by inequitable and outdated laws; for instance, funds for education are still distributed under the nineteenth century formula of giving more to the suburbs than to the central city.

Prof. Gardner concluded that a "gigantic task" is before us and that it is essential that we do not "dabble with the problem" as we are currently doing by establishing a random dropout program here and a job corps program there. In recognizing the large-scale fragmentation and paralysis in our cities, The Urban Coalition has begun a nationwide effort to get at the roots of the problem, for "someone must start somewhere."



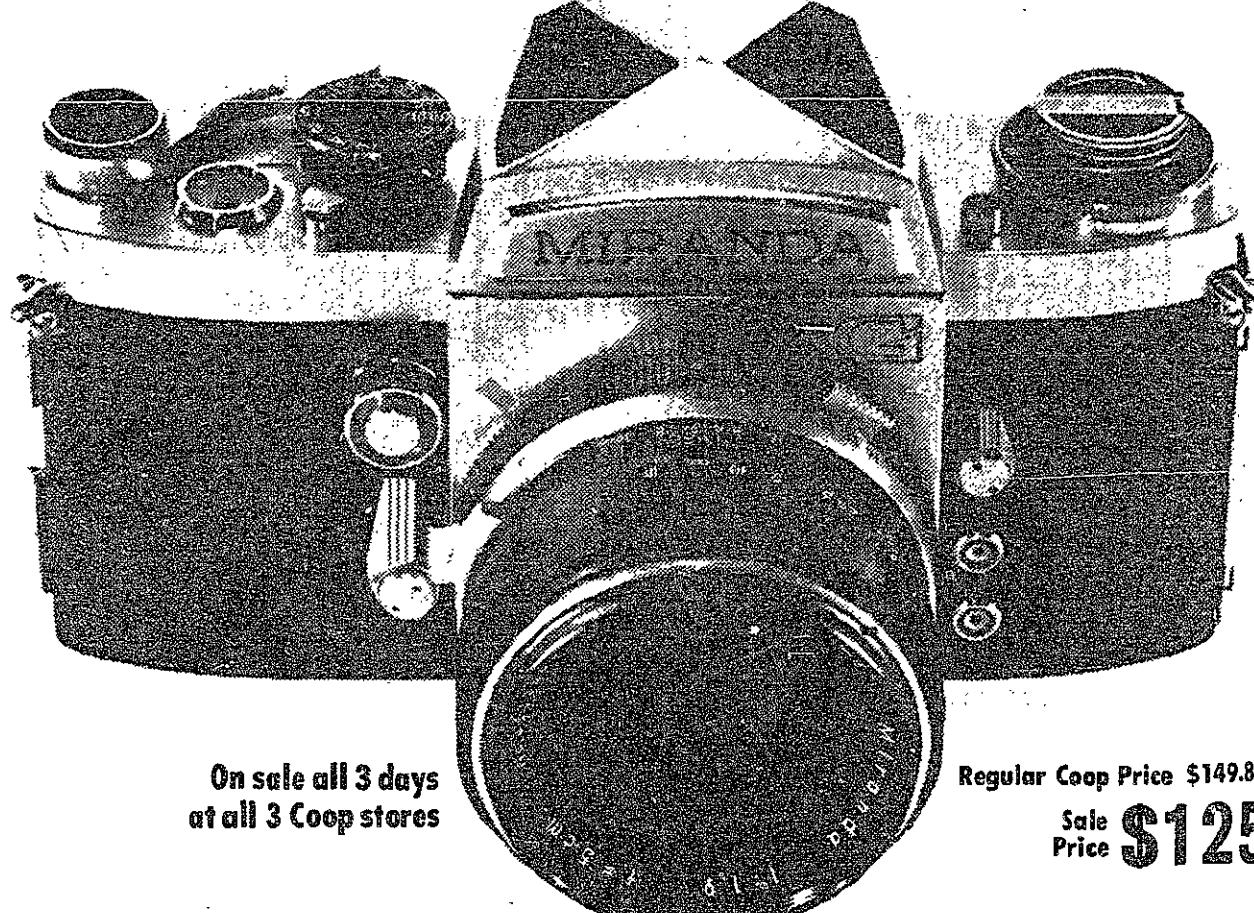
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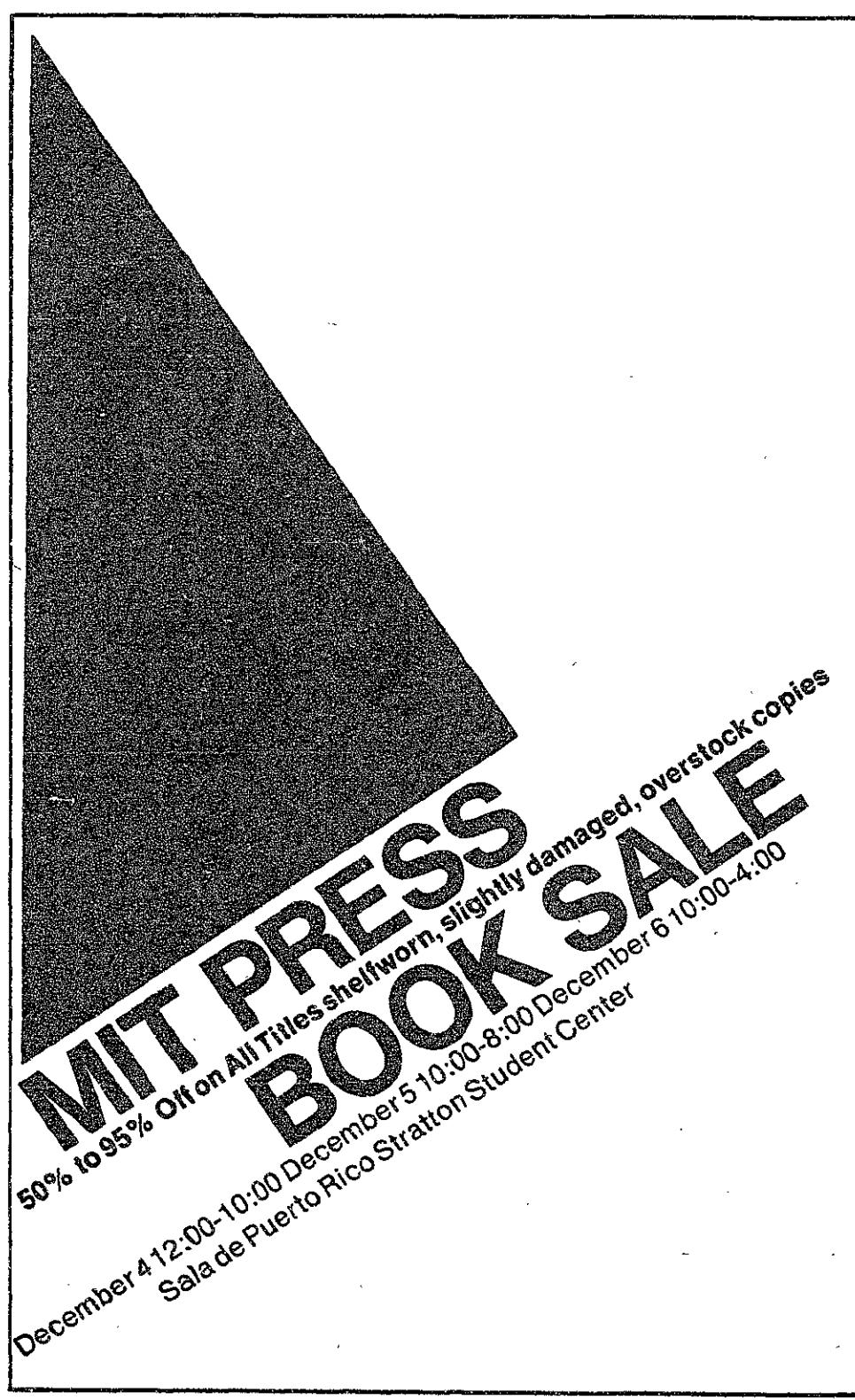
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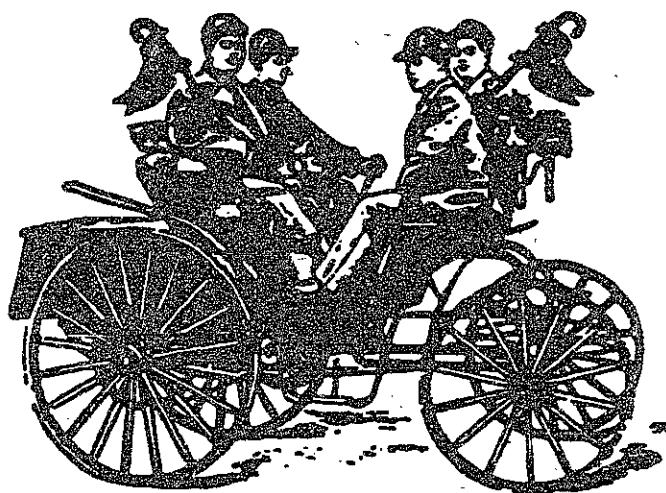
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## movie...

### ‘Firemen’ is short on ideas

By Robert Fourer

A couple of years ago, Milos Forman made a film called “The Loves of a Blonde,” which, while not a comedy, has a number of funny scenes. One, towards the start, involves three middle-aged veterans trying to meet three young girls at a big affair in a Czechoslovakian town during the last war. Forman's latest film, “The Firemen's Ball,” is little more than an extension and continuation of this one scene from the men's point of view; so it remains a farce, and, not surprisingly, a somewhat limited one.

It is not a very ordinary one, however. Generally, a farce is distinguished by the audience's lack of concern for the characters: whatever their problems, one is moved only to laughter. Most often, the farcical situation is highly unrealistic, so the characters just aren't identified with real people. Forman's characters do seem real, however - only they're all such disgusting types. One has no sympathy for them, not because they probably don't exist, but because they're just the sort of people one has no sympathy for. The result is a really black farce - very funny, but at the same time very unhappy.

At the beginning, it is also very good. The unexpected gross stupidities of the characters, presented with some clever dialogue and camerawork, are almost constantly hilarious. But where

the situation takes still another turn in “Loves of a Blonde,” here it remains much the same; and soon the unexpectedness wears off. For at least the last half of the film, almost every joke is predictable, or at least entirely unsurprising. If the intent was to show something disgustingly funny, it has certainly been realized. Still, though, there is a limit to how much most people can take of this without something to balance it.

As for aspects of craft - acting, writing, photography, directing - this is probably the better of the two films. But it creates nothing new: Forman presents no fresh ideas, and instead repeats just a few of his old ones. While he certainly does have a right to

## concert...

### Controlled flash guitar in Hendrix Experience

By Bill Serovy

A crowd reported to exceed 20,000 saw the Jimi Hendrix show Saturday at the Boston Garden. It was a little bit of both concert and Experience, and an excellent example of each.

Hendrix is probably the world's most creative artist on the electric guitar, in that he produces more varied sounds from his instrument than anyone else above ground. This was in

concentrate on what he pleases, one still hopes he will reverse the trend.

Also on the bill at the Exeter Street Theatre is “Oratorio for Prague,” a documentary on recent events in Czechoslovakia by the Czech director Jan Nemec. It's skillfully done, and moderately interesting but since most of it was shot before the Soviet invasion, the emphasis seems far out of date. Nemec has also made a dramatic film, “A Report on the Party and the Guests,” an allegory about society under totalitarianism. It received several very favorable reviews in New York, but was not successful commercially, so it is doubtful Boston filmgoers will get a chance to see it.

controvertibly established by the concert portion of the show. Hendrix lets his guitar perform under his guidance, and it goes wild at times. But one always feels confident that he has complete control, something missing from others in the field, such as Jeff Beck and Jorma Kaukonen.

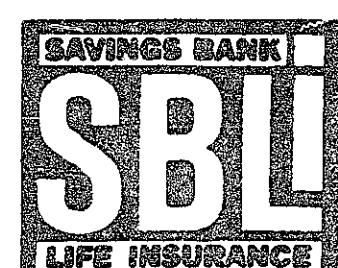
Electric soul  
The Hendrix experience is a blend  
(Please turn to page 5)

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## Sit-in?

It appears that the issue of open and closed faculty meetings may come to a head tomorrow afternoon when the members of the Sanctuary group attempt to present their proposals for open meetings to the faculty. We hope that the students involved will realize that substantial progress has been made in the course of the past few months toward this goal and will do nothing beyond their stated goal of presenting their views to the faculty.

There are, we realize, reasons for a more aggressive action. One of these is the fact that perhaps an activity such as a nonviolent sit-in will make the faculty members who are wavering on this idea realize how strongly students feel about it. However, we feel that the dangers of such a move would outweigh the possible advantages. For example, the possibility is just as great that the wavering faculty members will become opposed to opening the meetings after a demonstration of the nature mentioned above. In our opinion, the progress made last spring and this fall warrant a withholding of confrontation methods. While supporting the principle of presenting the reasons for opening meetings, we feel that there is a great deal of damage to be done if additional action is undertaken at this time.

## SW-WW

A recent proposal by the Class of '71 to present a Winter Weekend in the slot vacated by the IFC and Dormcon strikes us as being a bit unwise. The support of Finance Board for this proposal appears to be even more so.

The original reason for (in effect) moving the IFC-Dormcon to the sponsorship of Spring Weekend was that that effort had shown itself to be a consistent money-loser over the last few years—in fact, since the advent of Winter Weekend as a major social event. As one member of Incomm put it so eloquently, "You can't get a girl to come down for a third time."

Dormcon and the IFC have stated that they will still sponsor the Spring Weekend if Finboard will guarantee them any losses they may incur up to \$2000. In view of Finboard's stated support of the Winter Weekend proposal, we feel that a guarantee of this nature is entirely in order.

## THE TECH

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Nov. 19, 1968

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Front page photo of gesticulating statue by Craig Davis.

## Apology

The members of the Board of Directors of *The Tech* wish to apologize to Miss Betty Hendricks and Dean Wadleigh for errors which appeared in the last issue of our publication.

## Letters to The Tech

## Feedback—III

To the Editor:

Your editorial "Feedback—I", rather badly twists the purpose of the Freshman Performance Evaluation. Since you obviously did not see the form itself or a copy of the letter that has since been sent to freshmen with their forms, I am rather curious as to your source of information, because I am further aware that you made no attempt at confirmation through the Freshman Advisory Council office.

In fact, we have said to the freshmen, "Your comments are meant to be primarily an evaluation of how

you are doing, and not a curriculum or instructor evaluation, though insofar as the subject matter or the teaching has had an adverse (or positive) influence on your performance, please feel free to indicate this in your comments." I believe you will agree that this is an entirely different emphasis than expressed by your editorial, although it should in no way preclude meaningful feedback.

It would be unfortunate if the nearly 5000 performance evaluations reflected your guidance rather than that of the Committee on Evaluation of Freshman Performance. This committee, including its two student members, has spent, and will continue

to spend, many hours attempting to guide the Pass/Fail experiment along a path felt to be most meaningful for all concerned.

Peter Büttner  
Executive Officer,  
Committee on Evaluation  
of Freshman Performance

## Criticism

To the Editor:

As much as I respect the critic's right to free expression of his views of the artistic scene, I feel strongly moved to take exception to Steve Grant's review of "You Are What You Eat" in The Tech of November 12. When what I consider to be a significant expression and expansion of the motion picture art provokes such a scathing and vitriolic reaction, such as that published in The Tech, I am forced to place the reviewer, rather than the movie, at fault and try to present a fairer view for the benefit of those who have not seen the film.

The reviewer's major fault, I believe, lies in the fact that he chooses to interpret the film on an intellectual and cultural level totally foreign to the concept of the film itself. I am surprised that any reviewer who has experienced the movie could see fit to review and condemn it on the narrow basis of it being a tatty little chronicle of "pop kultur" when, in fact, the movie exists and works on a totally different intellectual and perceptual level.

Far from being a narrow, self-serving guide to what is "cool" for those who are not, "You Are What You Eat" is, instead, a collection of images, defined in terms of the motion

## After JP What?

By Jim Smith

The trouble with American higher education—what I prefer to call "deeper education"—is that it sells the wrong service. It has agreed to sell youth the best nine-to-five life, but let Madison Avenue sell him the rest.

It is the depth of the American tragedy when a student is so occupied by his unwanted Calculus assignments (he is, let's say, a history major) that he has no time to read a daily newspaper, to visit the Bunker Hill Monument, to read seven books which strike his interest, or to see the new movie version of War and Peace. If he is poor (which rising tuition has probably made him) he will probably see him working in the cafeteria after he finishes his Calculus.

In the midst of this misdirection, the cost of deeper education in America is rising. The US Office of Education estimates that tuition at private four-year colleges will rise by 43 percent in the next decade. At MIT it has risen by 25 percent in the last three years alone.

At this rate, the history major might soon ask himself on purely pragmatic terms if the cost-effectiveness of his "union card" ordeal is worth it. He might instead, for example take a year-long, round-the-world trip on Pan American for \$1270. Such a trip (with unlimited stops) would cost about 60 percent of the average Ivy League tuition. The other 40 percent, added to his normal expenditure on room and board, would provide the necessary living expense.

Unfortunately, the academic-corporate complex tells us that such is not a legitimate investment for "academic credit." The draft board will support their claim if the student doesn't.

The irony of the situation is that the students who are going to private four-year colleges are the very ones for whom later material survival is most assured. These students can and should then use their four years of freedom to their own ends and not the ends of some corporation which has designs on him. He has no more right than the college or corporation to say which ends are right.

Grades and prizes have contributed most to destroying any standard of self-appraisal in deeper education. One professor of mine has recognized this and tells his students each year to turn in his own grade for the course. The idea is that the grade chosen will be no more inaccurate than the one the professor would choose and that it would remind the student that in the long run it is he himself as in life, that he must satisfy.

Self-motivation and self-reward are the only basis of sound learning. The university, like Pan American, can and should only provide the facilities. The student will grow into the responsibility and independence which is demanded of him. The interest which is imposed only dies after college.

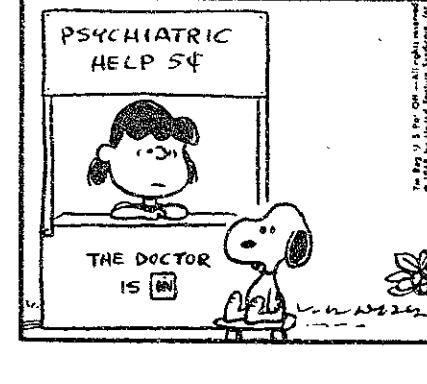
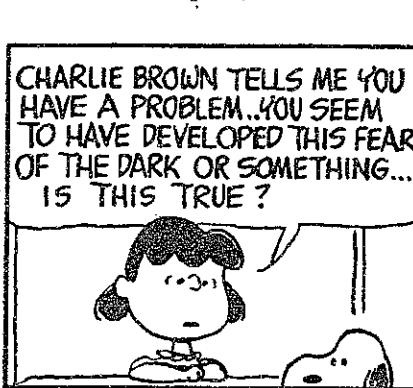
One concludes after a while that the professors and administrators who retain curricula lack a degree of optimism in the students: optimism that the student will find an interest of his own and pursue it "with discipline." Indeed, one soon concludes that his best four years of life are being exploited at his own consent, in the same way the colleges themselves are exploited by business and government.

This is not, of course, to say that college is without value. There are many things which one can get only at college: group living, hell week, intercollegiate sports, institutional food, basic science and humanities, and junior prom. But these experiences can all be acquired in one year.

A friend in Philadelphia, who attended Oxford in the Thirties, suggests one year of college for this reason and "to erase the stigma of not having gone," and suggests a possible curriculum for the remaining three years: one year as a union organizer, another in a Congressman's office, and the third as a reporter. But the idea is that the student would decide for himself, the only criterion being that he not settle down. Simply the thought of no homework is healthy. The student would be free to read his books, see the movies, read his newspaper and magazines, and do the other educational things which classes prevent.

All this, of course, conflicts—like the trip around the world—with the established rewards system, and the Puritanical fear that anything enjoyable must *ipso facto* not be educational. Is there an examination? A term paper? Certainly there will be a grade?

Such is the American tradition.



## College World

By Greg Bernhardt

The Dalhousie Gazette, student newspaper at Dalhousie University, Canada, has compiled a list of Dial-a-Prayer numbers for those students who are away from home and miss the spiritual guidance they were used to. In their investigation, the students discovered that the phone company will, for free, connect you in any city within the range of Direct Distance Dialing. They cautioned, however, that reversing the charges was impossible. Where no comment is given, the Dial-a-Prayer is Roman Catholic.

Bowling Green: 502-842-2473  
(Dial-a-Devotion)  
Boston: 617-536-4240  
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Poets arise!

A New York magazine attributed to Gene McCarthy the observation that America will see a resurgence of the arts during the next four years. After Nixon takes over, "we'll all go back to writing poetry."

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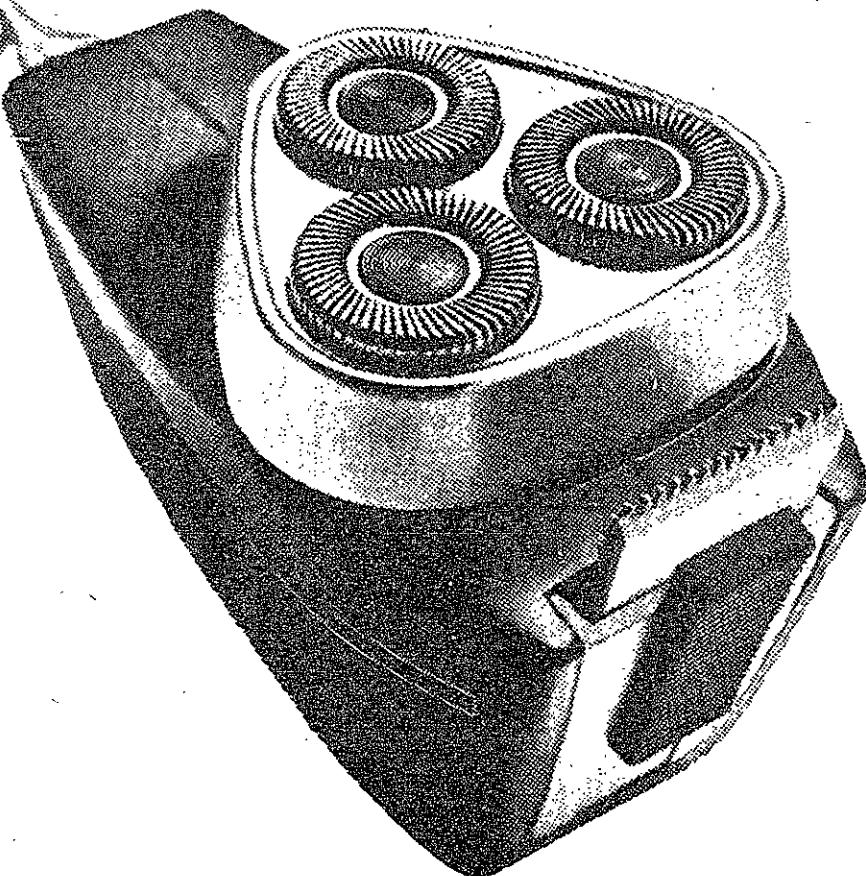
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## theatre...

# 'How To Succeed' tries

By Roy Furman

Producing a Broadway stage hit of "How to Succeed in Business Without Really Trying" at the Agassiz Theatre of Radcliffe is a tremendous undertaking that was executed quite well. Although there were several irking aspects to the production, the levity and bounce of the play were sufficient to provide an enjoyable evening.

J. Pierpont Finch's meteoric rise from mailroom clerk to chairman of the board of World Wide Wickets, Inc., is a comedy studded with the potential pitfalls of executive aspirants: the boss' curvaceous girl friend, his imbecilic nephew, the mistrustful established

hierarchy of the "company way," and the love-struck secretary. With the aid of a guide book to executive fame, Finch climbs the corporate ladder exposing the comic, but pitiful, political machinations of big business.

Characters well cast

In most respects the cast was well chosen, the actor fitting the character. The lead role of Finch (Pope Brock), however, was weak in that Brock did not succeed in developing a rapport of endearing guile with the audience. His scheming and cunning outshone the sweet-little-boy-trying-to-make-good image that Robert Morse so skillfully developed in the movie version. Bill

Kiely as the stout Frump, the boss' immature, inept nephew, was outstanding. Both knavish and pitiful, Kiely established a bond between Frump and the audience. Finch's unrequited lover and secretary, Rosemary (Carol Simon), was the most expressive of the cast displaying the sweet, tender charm of a girl star-struck with love. J. B. Biggley, the company president, was played as an elderly gentleman with sophistication and professionalism by Timothy Hall who, along with Miss Simon, was most responsible for creating the engaging aura of "How to Succeed." Beverly Fanger livened the production by displaying a fine pair of tonsils as she strutted, mouth agape, across the stage portraying the daffy and dizzy Hedy Lamur, the boss' not so secret mistress.

Staging amateurish

The most blatantly amateurish aspect of the production was the staging. Much of the time one could plainly hear and discern the crew preparing for the next scene behind the gossamer curtain as the action occurred in the forefront.

As a whole one must say the production was successful, for the play can carry itself adequately on its own merits. Considering the demands of the play and the limitations of the stage, the cast created engaging, though amateurish entertainment.

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## WGBH presents waves for the non-scientist

"Making science intelligible," something of which the Institute has not often been accused, is the objective of a television program prepared jointly by WGBH-TV and MIT. Entitled "What Is It That Waves?," the hour-long show, conceived by Professor Philip Morrison of the Department of Physics, was shown to the press Friday.

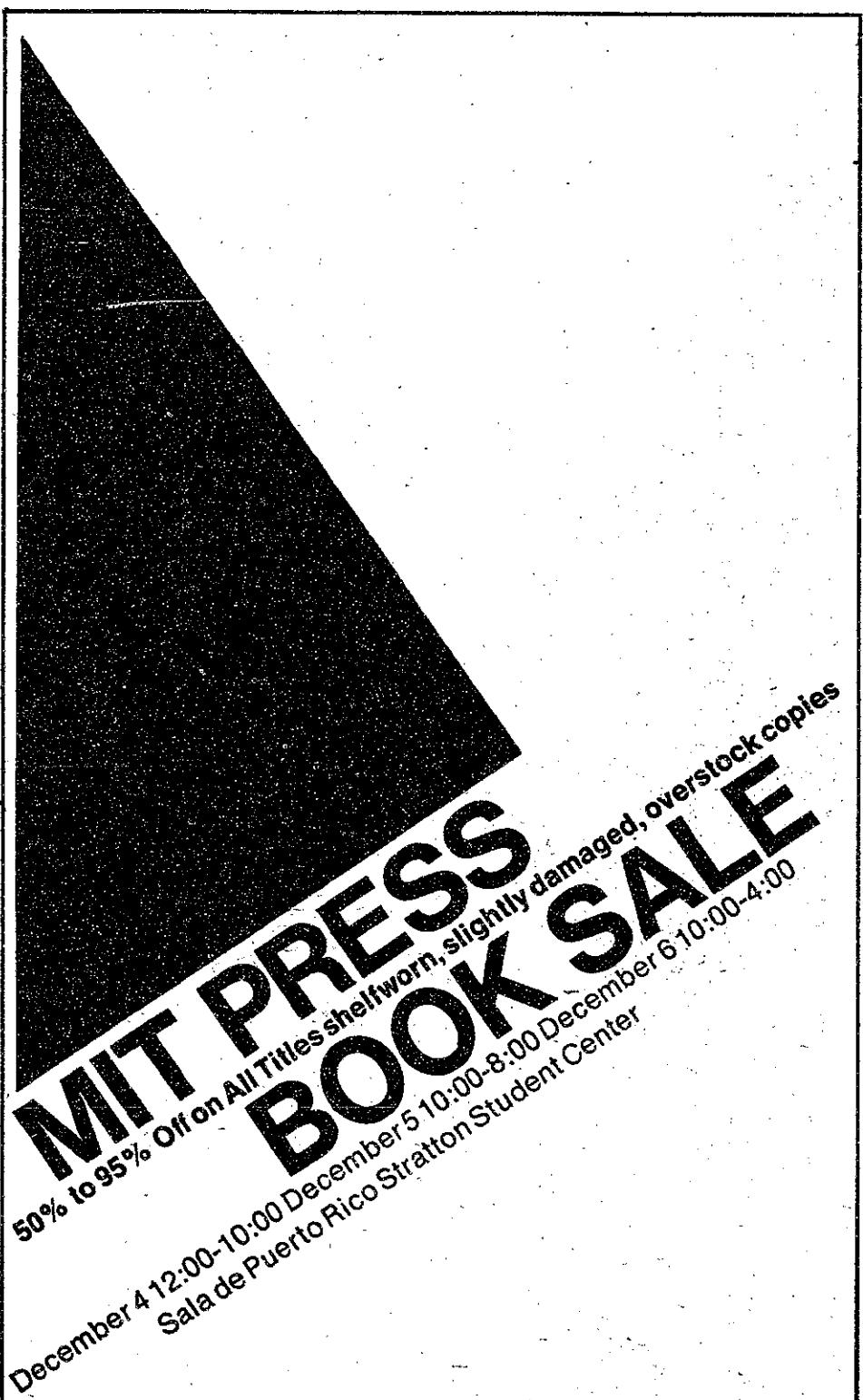
Introducing the program, Prof. Morrison explained that, while most students at MIT want "efficient, direct learning for a selected goal," the television show was meant for a "casual audience" which responds to the "nuances of the time." In deciding on a topic for the show, he said, the idea was to find one element (of physics) which is deep yet intuitive, and the decision was waves.

Explaining his concept of science and physics (which is familiar to anyone who has taken a course from him), Prof. Morrison emphasized that physics is the study of the real world—"If something happens only in the lab, it isn't much good" in real life. He pointed out that if the early scientists were fishermen, our science would still be the same, but with an entirely different history. With this the television show was commenced.

### Guest list

The program attempted to show the existence of waves in everyday life. Interspersed throughout the scenes were modern dance arrangements done by three members of the Boston Ballet, filmed at the Aquarium. Morrison interviewed Professor Ascher H. Shapiro, head of the Dept. of Mechanical Engineering, Prof. Raymond L. Bisplinghoff, Dean of the School of Science, and Dr. William Shurcliff of the Citizens League against the Sonic Boom. Other features include interviews with a geologist whose house was destroyed by an ocean wave, and a Gloucester fisherman aboard his boat. The idea pervading the show is that of the omnipresence of wave phenomena, from the falling of dominoes to the stop-and-go of traffic.

The program will be seen tonight at 8 on Channels 2 and 44, and again on Sunday at 7 on Channel 2.



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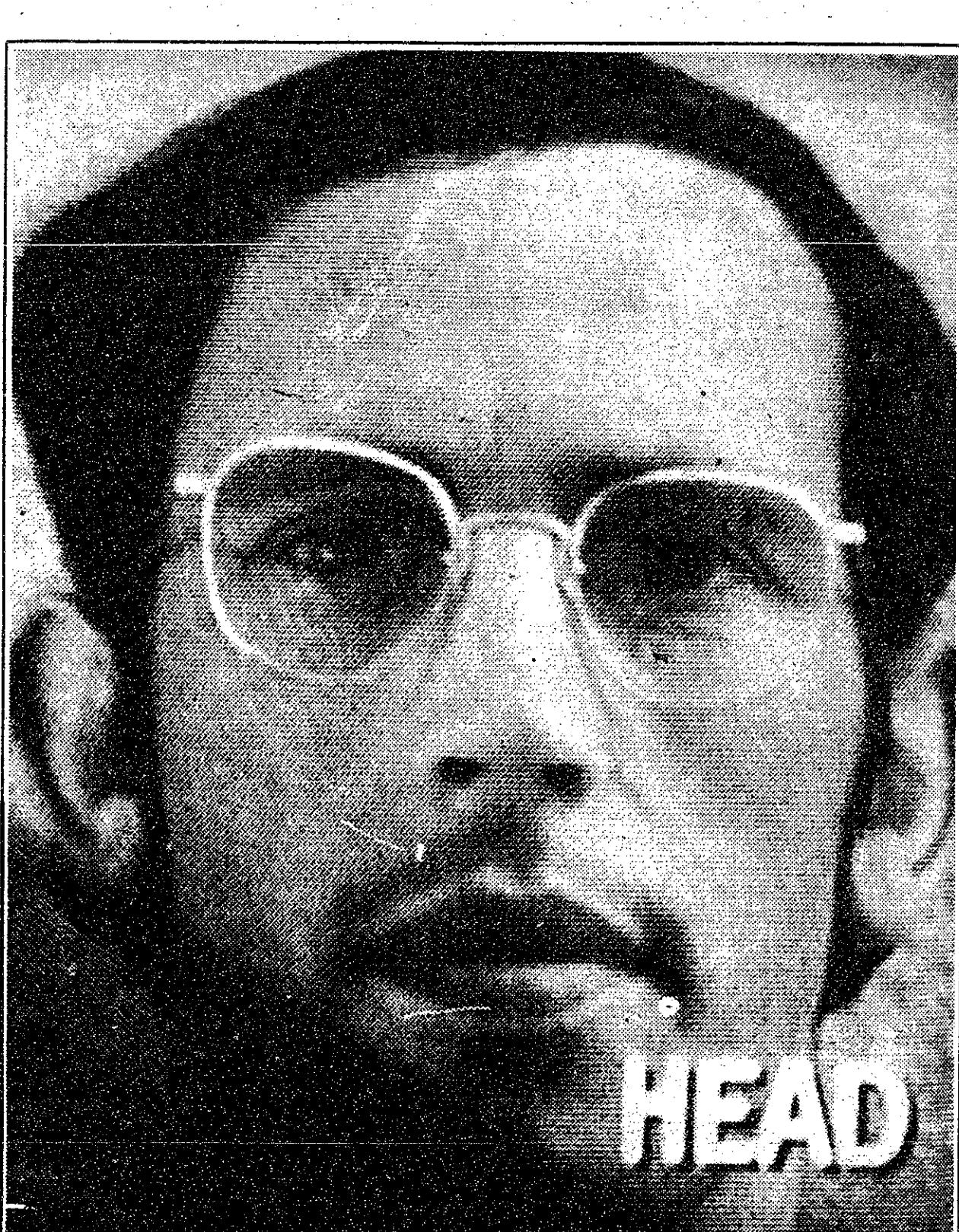
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# Shooters win six straight

The Tech rifle team breezed past Wentworth 1284-1132 to capture their sixth straight meet Friday. Coach Al Cannon continued to spur the team to a ten point increase in team scoring over last year's 8-2 pace.

Top man for the engineers was Dick Evans '70 with 263. Following Evans

were Dave Hunt '69, 259; Bill Swedish '71, 258; captain Tom Stellinger '70, 251; and Bob Kirkpatrick '71, 253.

The Wentworth victory came after a twin sweep the previous weekend with Boston State and Providence. The repeat match with BSC presented little

problem for the engineers, but a 7:30 am match at Providence on JP Saturday presented stiffer competition for the bleary-eyed shooters. The engineers prevailed, however, and the Tech winning streak remained unbroken.

Bolstered by their success thus far, the riflemen are confident of coming

out victorious over Boston University Friday. If the team continues with the performance they have shown thus far, the shooters should have little trouble in taking the top in the Greater Boston Rifle League.

There is an opportunity this year for anyone in the MIT community to compete in weightlifting. The Tech weightlifting club will have meets with other clubs in the New England area in both the Olympic and power lifts. Interested persons should contact Ed Crowley in the weight room in DuPont from four to six pm weekdays.

search is out for referees for IM Hockey. Being on the roster of an IM team does not disqualify one from refereeing. Remuneration is \$2.50 per game. Those interested should contact Bill Sullivan, manager, at 536-5637 or 564.

## TECH SHOW 1969

### Announces Cast Auditions

**December 2, 3, 4 & 5 at 7:30 P.M.  
and December 8 at 2:00 P.M.**

**in Rehearsal Room B of Kresge Auditorium**

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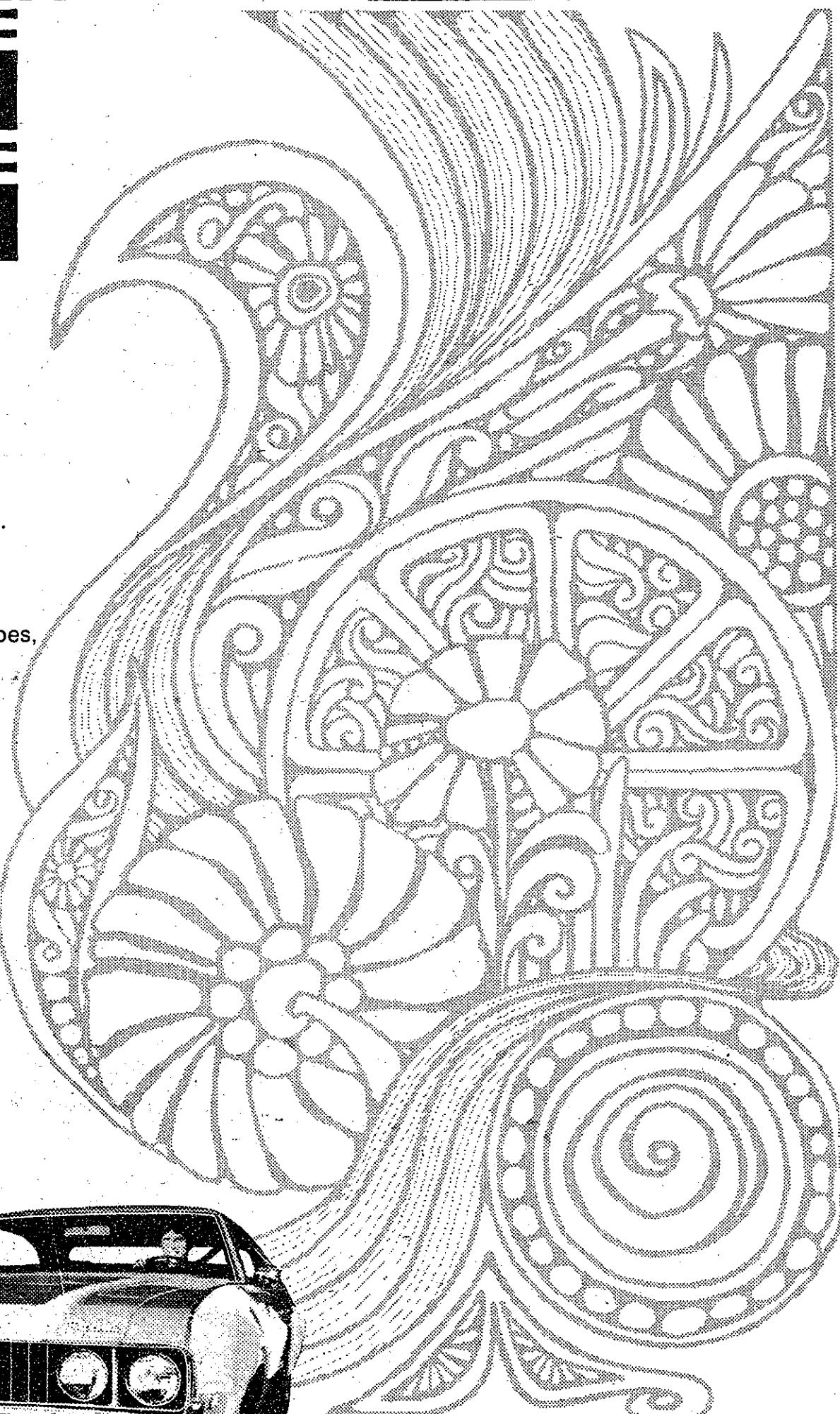
Or order it up with a console-mounted Hurst Shifter, and really get in sync with what's happening.

Or better yet, go directly to the head of the class with W-31. Force-Air Induction and put everybody down.

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By Ron Cline

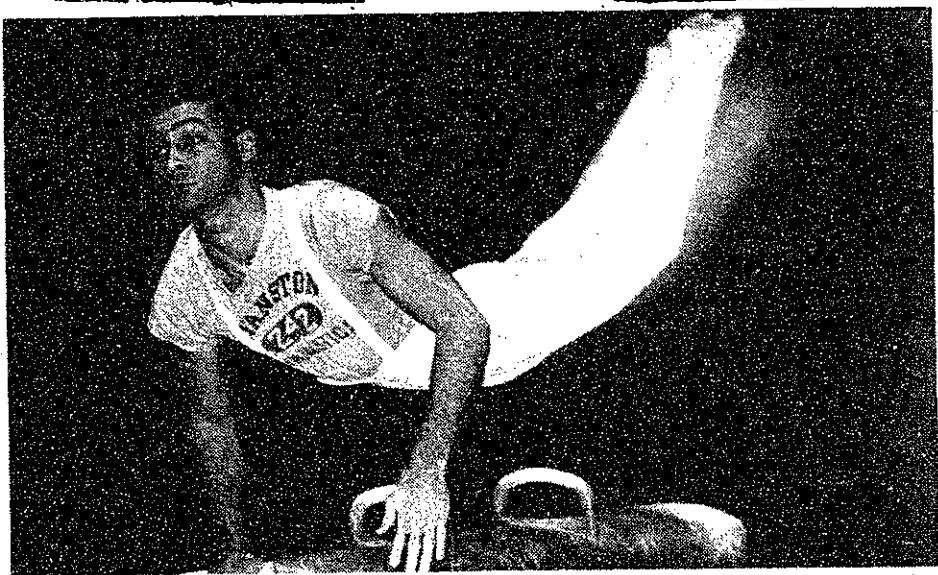


Photo by Ron Cline

Mike Devorkin '69 executes a dismount on the sidehorse during practice. The gymnastics team is entering its second year in varsity competition.

The varsity gymnastics team, which had been practicing under self-generated guidance so far this year, got a long-awaited boost last week. Prof. Ross Smith, Director of Athletics, announced Thursday the signing of James Hutt, who has been working unofficially with the team since November 2, to a part-time contract. Coach Hutt, who holds many distinctions in his own right, will be working exclusively with the talented

group of gymnasts.

A Massachusetts resident for most of his life, Coach Hutt graduated from Braintree High School after captaining a highly successful gymnastics team. During his senior year, Hutt became state champion in both the still rings and parallel bars. Competing also in the YMCA league, he was crowned New England champion in 1961 in the still rings. Hard work paid off in 1965 when the Braintree High graduate earned the right to be a competitor in the national YMCA gymnastics championships.

Credit should be given to an enthusiastic group of gymnasts, and especially to those dedicated team members who have given the time to organize and direct effective practice sessions.

#### Kudos

Kudos should also be given to Prof. Smith and the Athletic Department. Though perhaps they erred in not properly anticipating the possible consequences of Bruce Wright's draft notice last summer, the Director succeeded in the difficult job of finding a replacement after the market had closed.

With practices now in full swing, the Tech gymnasts are preparing for their season opener at Dartmouth December 7. With the addition of Coach Hutt to the squad, the weeks ahead shape up to be exciting ones for Tech's youngest varsity sport.



**M.I.T.**

Photo by Ron Cline

Gymnastics coach James Hutt

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INGMAR BERGMAN'S  
"THE MAGICIAN"  
5:30, 7:30, 9:30

## Closed meeting protested

(Continued from page 1)

the following statement and proposal at the beginning of tomorrow's faculty meeting:

"In seeking to formulate a student government constitution that would maximize participation and relevance, the initial members of TANG agreed unanimously that all student meetings

should be open to anyone who wishes to attend them. In accordance with the feelings behind this unanimous position, and since the members of TANG see no fundamental philosophical differences between student and faculty meetings, we propose that in the future faculty meetings should be open to all who wish to attend them. Voting privi-

leges would of course be reserved the faculty. We also propose that students be admitted to today's meeting in order to take part in the discussion of this and other timely and relevant issues."

Two to three hundred people attended the meeting Friday night, which was convened at about 7:20 pm. Alan Tovish served as Chairman. After various persons gave reports, the meeting adjourned in favor of smaller discussion groups. It was agreed that a committee should be prepared to summarize its research before another meeting of the Resistance on November 25.

Recruiters must debate

The Social Inquiry Committee reported that it is circulating a petition among the students and faculty which requests that company recruiters be required to submit to a debate with student representatives if 300 student request that such a debate be held.

Other reports included Lam White's account of Ray Kroll's trial at Ft. Devens, and a girl's account of her visit with Mike O'Conner in prison.

She said that O'Conner would like to be sent letters, books, and cigarettes (Marlboros). He can receive any number of letters, although they might be inspected before he gets them. He is limited, however, to three letters a day which he can send out. Mail to O'Conner should be sent to J. M. O'Conner, RA12983712, U. S. Army Bldg., Ft. Devens.

Winter Weekend may return;  
'69 and '71 make proposal

The Class of '71 and the Class of '69 may sponsor a Winter Weekend, it was learned Sunday night at press time. Steve Ehrmann '71, President of the class, told *The Tech* that he believed that a majority of the members of the Inscomm executive committee would approve his plan, thus allowing him to present a request for funds to Finboard.

The proposed weekend would take place on February 28 to March 1, though its exact nature remained unclear. Depending upon budget problems and other limitations, the weekend could either be a full weekend or two events on Saturday which could be supplemented by living group activities Friday night.

Financially, the sophomores would be the "Senior partner," according to Ehrmann. The sophomores have \$2,400 in their treasury, which has been gained largely from donut sales; the seniors have \$500. This money would be used to cover any losses incurred by the weekend and was cited by Ehrmann as a major factor which would influence Finboard's decision in favor of the weekend. At present, the seniors would take the first \$200 of profits, with anything beyond that going to the sophomores.

Some opposition was noted to Ehrmann's plan Sunday night. The IFC and Dormcon had planned to hold Spring Weekend this year, but it is possible that a major Winter Weekend could hurt Spring Weekend.

Ehrmann told *The Tech* that IFC and Dormcon had originally requested to hold events on that date to make a profit which would be a buffer against any losses that might be incurred during Spring Weekend.

No matter how this problem is resolved, the decisions which are made in allocating weekend dates for the remainder of this year will be a major influence on the future of the weekend at the Institute.

## music...

## Alicia de Larrocha triumphs

By Steven Shalalover

Occasionally, a great artist becomes so closely identified with a certain musical masterpiece that few other performers dare to perform that work. Such is the case with Alicia de Larrocha and the Albeniz "Iberia." Madame de Larrocha, acknowledged as today's outstanding interpreter of Spanish keyboard music, performed Isaac Albeniz' masterpiece Friday night before an enthusiastic audience at Harvard's Sanders Theatre. Her achievement was so remarkable as to leave no doubt but that she must be counted among the world's top handful of pianists.

Isaac Albeniz' "Iberia" is a set of twelve tonal portraits of Spain totalling almost an hour and a half of music. The work is split up into four Books, and each Book contains three individual selections. The "Iberia" is remarkably difficult to perform in its entirety because of its technical demands and the wide emotional and coloristic range of the playing it requires. Few pianists are willing to invest the time and energy required to learn it, and still fewer would consider putting all their eggs in one basket by programming this single work for an entire evening. Considering the definitiveness of Madame de Larrocha's performances of this work, it is difficult to see why any other pianist would attempt the complete "Iberia" in the foreseeable future, and thereby suffer by the inevitable comparison.

## Abundance of nuance

Madame de Larrocha approaches the "Iberia" with impressive credentials. Her technical mastery of the

piano is complete, with no device being beyond her range, although, being a very small woman, she can not overpower the piano with huge sonorities. As important as technique is her total feel for the Spanish flavor of the music, including rhythm and coloration. If one were to single out one salient feature of this recital, it would be the abundance of nuance, both of tonal color and of expression. The de Larrocha tonal palette is of such brilliance that it must be considered the most important component of her captivating performance.

The first really outstanding selection was "Corpus Christi en Sevilla," the third of the cycle, which is also known in the popular orchestrated version as "Fete-Dieu a Seville." This rendition received its great power from the skillful building of climaxes, and would have been a tour-de-force if not for a few small technical slips. The bell-like piano tones were unusual and very effectively conveyed. The fifth selection, "Almeria," demonstrated Madame de Larrocha's grasp of the intricate Spanish rhythms, and received an exquisitely lilting reading. The next part, "Triana," which immediately preceded the intermission, was a truly memorable performance, in an ideal interpretation. Nothing could have been done to lead to a more successful performance of this exciting piece.

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